

## SEARCH REQUEST FORM

Scientific and Technical Information Center

For Jan Deland  
Please

Requester's Full Name: Shahram Sharareh Examiner #: 76656 Date: 6/20/2000  
 Art Unit: 1619 Phone Number 306-5400 Serial Number: 09/349,713  
 Mail Box and Bldg/Room Location: CM1 2A12 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Formulations having an antiviral Axx

Inventors (please provide full names): H. BUCHHOLTZ, A. WAGNER, C. KRAUS,

J. MEDISKI

Earliest Priority Filing Date: 7/9/9

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

(In All Forms, Tablet, Lotion, Capsule etc.)

Composition Comprising Preferably for treatment of Herpesviridae

(a) ISOQUERICITRIN as an active agent

(b) (and a carrier? ~~or~~ Anythj)

(c) and a Compound selected from the group recited in  
CLAIM 11  
see attached

(d) and a UV. filtering Agent Such as benzophenones,  
benzoylmethane, benzoylmethane, Cinnamic acid esters  
ISO amyl methoxy Cinnamate, PABA, Octyl methoxy Cinnamate

ZNO or TiO<sub>2</sub>, Salicylates, octocrylene,

(Please also see attached)

## STAFF USE ONLY

## Type of Search

## Vendors and cost where applicable

Searcher: Jan

NA Sequence (#)

STN

Searcher Phone #: 74498

AA Sequence (#)

Dialog

Searcher Location: Structure (#)

Questel/Orbit

Date Searcher Picked Up: 7/13

Bibliographic

Dr. Link

Date Completed: 7/13

Litigation

Lexis/Nexis

Searcher Prep & Review Time: 60

Fulltext

Sequence Systems

Clerical Prep Time: 60

Patent Family

WWW/Internet

Online Time: 50 / 140

Other

Other (specify)

LL

ACCESSION NUMBER: 2002:239045 USPATFULL  
TITLE: Neuroprotective effects of mitogen-activated protein kinase (MAPK) cascade inhibitors  
INVENTOR(S): Baskys, Andrius, 10 Cool Brook, Irvine, CA, United States 92612

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6451837	B1	20020917
APPLICATION INFO.:	US 2000-653065		20000901 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-151955P	19990901 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Gitomer, Ralph	
ASSISTANT EXAMINER:	Khare, Devesh	
LEGAL REPRESENTATIVE:	Cummings & Lockwood LLC	
NUMBER OF CLAIMS:	11	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Figure(s); 2 Drawing Page(s)	
LINE COUNT:	797	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method is provided for therapeutic use of a class of compounds that are effective in protecting nerve cells from deterioration and cell death arising from degenerative disease, trauma or aging and may be used

to achieve a similar effect in male and female subjects with minimal adverse side effects. The method comprises administering a therapeutically effective dose of a natural or synthetic bioflavonoid that acts as an MAPK cascade antagonist. Examples of bioflavonoids that may be used in the present method are apigenin and 2-(2'-amino-3' methoxyphenyl)-oxanaphthalen-4-one (PD098059).

SUMM . . . in vitro. MAPK cascade antagonists useful in treating cells of the nervous system include, for example, PD098059 and apigenin, or pharmaceutically acceptable salts of these compounds.

SUMM . . . in vitro. MAPK cascade antagonists useful in treating cells of the nervous system include, for example, PD098059 and apigenin, or pharmaceutically acceptable salts of these compounds.

DETD . . . orally, intramuscularly, transdermally, buccally, intravenously or subcutaneously. Also, the bioflavonoid may be administered by dose or

by controlled release vehicles. Pharmaceutically acceptable salts of the compounds may also be used.

DETD As will be apparent to one skilled in the art from the disclosure herein, other bioflavonoids, or pharmaceutically acceptable salts of the bioflavonoids, may be used in the present method to achieve

neuroprotection. Specific examples of compounds that . . . invention are apigetrin, apiin, pelargidenon, versulin, cossmetiin, apioside, cosmosiin, cosmosiine cosmosioside, baicalin, cirsimarinin, 6-hydroxyluteolin, luteolin, plantaginin, rhoifolin, sorbavin, afrelin, hyperin, isoquercitrin, isorhamnetin, kaempferitin, kaempferol-7-glucoside, oxyayanin-A, quercetin, quercitrin, rhamnetin and rutin. Furthermore, any of these compounds may be supplied in the form of a prodrug that may be. . .

DETD The neuroprotective compounds used in the present invention can be

administered in **pharmaceutical** compositions. The recommended route of administration of the neuroprotective compound includes oral, intramuscular, transdermal, buccal, intravenous and subcutaneous.

Methods of. . .

DETID The **pharmaceutical** compositions may be in the form of tablets, dragees, capsules, pills, solutions, suspensions, emulsions or ophthalmic preparations or any other appropriate form for delivery of **pharmaceutical** compositions. The **pharmaceutical** compositions in solid form may contain non-aqueous diluents, including for example fillers and extenders, binding agents, moisturizing agents, disintegrating agents, surface active agents, adsorptive carriers, lubricants or any other appropriate diluent known to one skilled in the art. **Pharmaceutical** compositions in liquid form may contain liquid diluents such as, for example, water, ethyl alcohol, propylene glycol or any other. . .

DETID . . . A and Hori Y. Immunocytochemical distribution of gamma isoform of protein kinase C (PKC-gamma) following incomplete ischemia. Indian J.

Physiol. **Pharmacol.**, 39, 37, 1995.

CLM What is claimed is:

. . . of cells in the central nervous system comprising the steps of: (a) supplying at least one bioflavonoid in a suitable **pharmacological** composition; and (b) administering a therapeutically effective dose of the bioflavonoid to achieve protection

of neurons from deterioration and cell. . .

2. The method of claim 1, further comprising the steps of: (a) supplying

PD098059 in a **pharmacologically** acceptable carrier; and (b) administering the PD098059 to obtain a blood plasma concentration of between about 30 .mu.M to about. . .

3. The method of claim 1, further comprising the steps of: (a) supplying

apigenin in a **pharmacologically** acceptable carrier; and (b) administering the apigenin to obtain a blood plasma concentrat

L12 ANSWER 1 OF 2 USPATFULL

ACCESSION NUMBER: 2002:133249 USPATFULL  
TITLE: Method for combating summer eczema and malanders  
INVENTOR(S): Koniger, Helmut, Munchen, GERMANY, FEDERAL REPUBLIC OF

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002068099	A1	20020606
APPLICATION INFO.:	US 2001-961553	A1	20010920 (9)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1999-374754, filed on 13 Aug 1999, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1998-19855717	19980813
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	BAKER & DANIELS, 205 W. JEFFERSON BOULEVARD, SUITE 250,	
	SOUTH BEND, IN, 46601	
NUMBER OF CLAIMS:	10	
EXEMPLARY CLAIM:	1	
LINE COUNT:	286	

L12 ANSWER 2 OF 2 USPATFULL

ACCESSION NUMBER: 2002:112284 USPATFULL  
TITLE: Purified cochineal and method for its production  
INVENTOR(S): Ichi, Takahito, Osaka, JAPAN  
Koda, Takatoshi, Osaka, JAPAN  
Yukawa, Chiyoki, Osaka, JAPAN  
Sakata, Makoto, Osaka, JAPAN  
Sato, Hiroyuki, Osaka, JAPAN  
PATENT ASSIGNEE(S): SAN-EI GEN F.F.I., INC., Toyonaka-shi, JAPAN (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002058016	A1	20020516
APPLICATION INFO.:	US 2001-953826	A1	20010919 (9)
RELATED APPLN. INFO.:	Continuation of Ser. No. WO 2001-JP2310, filed on 23 Mar 2001, UNKNOWN		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 2000-274596	20000911
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	ARMSTRONG, WESTERMAN & HATTORI, LLP, 1725 K STREET, NW.,	
	SUITE 1000, WASHINGTON, DC, 20006	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	1 Drawing Page(s)	
LINE COUNT:	684	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L18 ANSWER 31 OF 32 USPATFULL  
ACCESSION NUMBER: 86:57928 USPATFULL  
TITLE: Flavonoid phosphate salts of aminoglycoside  
antibiotics  
INVENTOR(S): Wahlig, Helmut, Darmstadt, Germany, Federal Republic  
of Dingeldein, Elvira, Dreieich, Germany, Federal  
Republic  
of Kirchlechner, Richard, Rott a. Inn, Germany, Federal  
Republic of Orth, Dieter, Darmstadt, Germany, Federal Republic of  
Rogalski, Werner, Alsbach, Germany, Federal Republic  
of  
PATENT ASSIGNEE(S): Merck Patent Gesellschaft mit beschraenkter Haftung,  
Darmstadt, Germany, Federal Republic of (non-U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4617293		19861014
APPLICATION INFO.:	US 1984-613131		19840523 (6)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1982-377779, filed on 13 May 1982, now abandoned		

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1981-3118856	19810513
	DE 1982-3206725	19820225
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Brown, Johnnie R.	
ASSISTANT EXAMINER:	Peselev, Elli	
LEGAL REPRESENTATIVE:	Millen & White	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1, 11	
LINE COUNT:	528	

L18 ANSWER 30 OF 32 USPATFULL  
ACCESSION NUMBER: 88:62483 USPATFULL  
TITLE: Modification of plant extracts from zygophyllaceae and  
pharmaceutical use therefor  
INVENTOR(S): Jordan, Russell T., Fort Collins, CO, United States  
PATENT ASSIGNEE(S): Chemex Pharmaceuticals, Inc., Denver, CO, United  
States  
(U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4774229		19880927
APPLICATION INFO.:	US 1986-860654		19860507 (6)
RELATED APPLN. INFO.:	Continuation of Ser. No. US 1982-365784, filed on 5 Apr 1982, now abandoned which is a continuation-in-part of Ser. No. US 1979-49886, filed on 19 Jun 1979, now abandoned		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Rollins, John		
LEGAL REPRESENTATIVE:	Kenyon & Kenyon		
NUMBER OF CLAIMS:	21		
EXEMPLARY CLAIM:	1		
LINE COUNT:	835		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A mixture of an extract from a plant belonging to the Zygophyllaceae family containing phenolic compositions and a nonalkali metal salt is useful as a pharmaceutical agent, for example, in the treatment of cancer, nonmalignant tumors, osteomyelitis, psoriasis and warts.

L18 ANSWER 28 OF 32 USPATFULL  
ACCESSION NUMBER: 1998:57962 USPATFULL  
TITLE: Flavonoid and biflavonoid derivatives, their pharmaceutical compositions, their anxiolytic activity  
INVENTOR(S) : Cassels, Bruce Kennedy, Casilla, Chile  
Dajas, Federico Jose, Montevideo, Uruguay  
Medina, Jorge Horacio, Buenos Aires, Argentina  
Paladini, Alejandro Constantino, Buenos Aires, Argentina  
Silveira, Rodolfo Horacio, Montevideo, Uruguay  
PATENT ASSIGNEE(S) : University of Strathclyde, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5756538		19980526
	WO 9505169		19950223
APPLICATION INFO.:	US 1996-586796		19960531 (8)
	WO 1994-GB1803		19940817
			19960531 PCT 371 date
			19960531 PCT 102(e) date

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1993-17071	19930817
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Richter, Johann	
ASSISTANT EXAMINER:	Stockton, Laura L.	
LEGAL REPRESENTATIVE:	Bell Seltzer Intellectual Property Law Group of Alston & Bird LLP	
NUMBER OF CLAIMS:	16	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	19 Drawing Figure(s); 19 Drawing Page(s)	

L18 ANSWER 27 OF 32 USPATFULL  
ACCESSION NUMBER: 1999:110380 USPATFULL  
TITLE: Use of flavones and flavonoids against the UV-induced decomposition of dibenzoylmethane and its derivatives  
INVENTOR(S): Gers-Barlag, Heinrich, Kummerfeld, Germany, Federal Republic of  
Scheel, Oliver, Dusseldorf, Germany, Federal Republic of  
PATENT ASSIGNEE(S): Beiersdorf AG, Hamburg, Germany, Federal Republic of  
(non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5952391		19990914
APPLICATION INFO.:	US 1998-205435		19981204 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	DE 1997-19755504	19971213
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	MacMillan, Keith D.	
ASSISTANT EXAMINER:	Kim, Vizkie	
LEGAL REPRESENTATIVE:	Sprung Kramer Schaefer & Briscoe	
NUMBER OF CLAIMS:	12	
EXEMPLARY CLAIM:	1	
LINE COUNT:	572	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Use of flavone derivatives and flavanone derivatives, in particular flavonoids for stabilizing **cosmetic** or dermatologically acceptable substances, the chemical formula of which includes the structural moiety of dibenzoylmethane, against the decomposition caused by UV radiation.

L18 ANSWER 25 OF 32 USPATFULL  
 ACCESSION NUMBER: 1999:167038 USPATFULL  
 TITLE: Flavonoid and biflavonoid derivatives, their pharmaceutical compositions, their anxiolytic activity  
 INVENTOR(S): Cassels, Bruce Kennedy, Casilla, Chile  
 Dajas, Federico Jose, Montevideo, Uruguay  
 Medina, Jorge Horacio, Buenos Aires, Argentina  
 Paladini, Alejandro Constantino, Buenos Aires, Argentina  
 Silveira, Rodolfo Horacio, Montevideo, Uruguay  
 PATENT ASSIGNEE(S): University of Strathclyde, United Kingdom (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6004998		19991221
APPLICATION INFO.:	US 1997-939975		19970929 (8)
RELATED APPLN. INFO.:	Division of Ser. No. US 586796		

	NUMBER	DATE
PRIORITY INFORMATION:	GB 1993-17071	19930817
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Stockton, Laura L.	
LEGAL REPRESENTATIVE:	Alston & Bird LLP	
NUMBER OF CLAIMS:	3	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	19 Drawing Figure(s); 19 Drawing Page(s)	
LINE COUNT:	637	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Certain flavonoids, notably derivatives of flavone, chrysin and apigenin, together with dimers thereof such as amentoflavone, have been found to possess anxiolytic properties (i.e., anxiety reducing properties) without exhibiting a sedative effect. Novel compounds and pharmaceutical formulations are also described.

L18 ANSWER 26 OF 32 USPATFULL  
 ACCESSION NUMBER: 1999:150659 USPATFULL  
 TITLE: Compositions of matter useful in the treatment of viral infections derived from plant extracts  
 INVENTOR(S): Tsai, Hsiu-Hsien, Chang-Huah, Taiwan, Province of China  
 PATENT ASSIGNEE(S): Hwang, Shie-Ming, Columbus, OH, United States  
 Sage R&D, Columbus, OH, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5989556		19991123
APPLICATION INFO.:	US 1997-890065		19970709 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-16100P	19960710 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	

PRIMARY EXAMINER: Naff, David M.  
ASSISTANT EXAMINER: Kerr, Janet M.  
LEGAL REPRESENTATIVE: Nickey, Donald O. Standley & Gilcrest, LLP  
NUMBER OF CLAIMS: 4  
EXEMPLARY CLAIM: 1  
LINE COUNT: 3305

AB Compositions derived from Chinese herbal medicines, medicinal plants and

extracts thereof, are provided for the treatment of animals infected with viruses, especially with hepatitis B virus (HBV), hepatitis C virus

(HCV), and human immunodeficiency virus (HIV). More specifically, the compositions of the present invention are derived from various Chinese herbal medicines or medicinal plants which have a long history of human consumption. The compositions of the invention are obtained through specific techniques and have demonstrated outstanding efficacy for treating human HBV carriers and hepatitis C patients. Compositions according to the invention have also exhibited in vitro antiviral activities against murine leukemia virus (MuLV) and HIV. HIV is the virus known to cause acquired immunodeficiency syndrome (AIDS) in

humans

and AIDS presents special problems to the medical community which the present invention addresses. Preferred compositions contain the herbal ingredients AEGINETIAE HERBA, BLECHNI RHIZOMA, LESPEDEZAE HERBA, POLYGONI CUSPIDATI RHIZOMA, FORSYTHIAE FRUCTUS, and LIGUSTRI FRUCTUS,

or

contain the herbal ingredients AEGINETIAE HERBA, LONICERA FLOS, PRUNELLAE SPICA, and LESPEDEZAE HERBA.